Figure 1

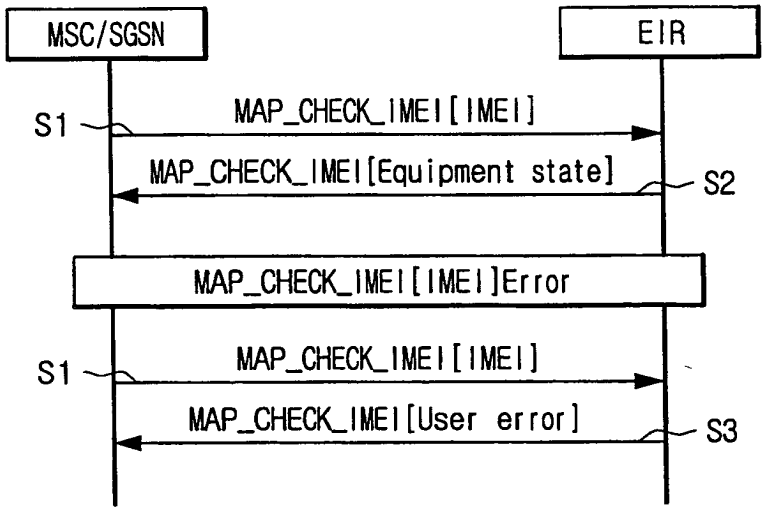

Figure 2

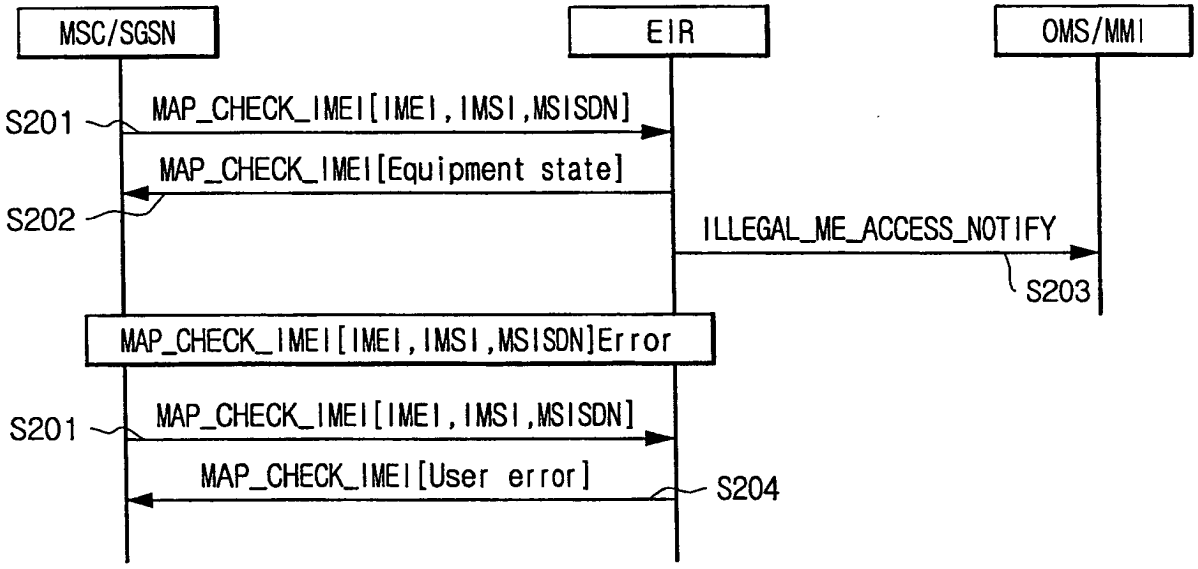

Figure 3

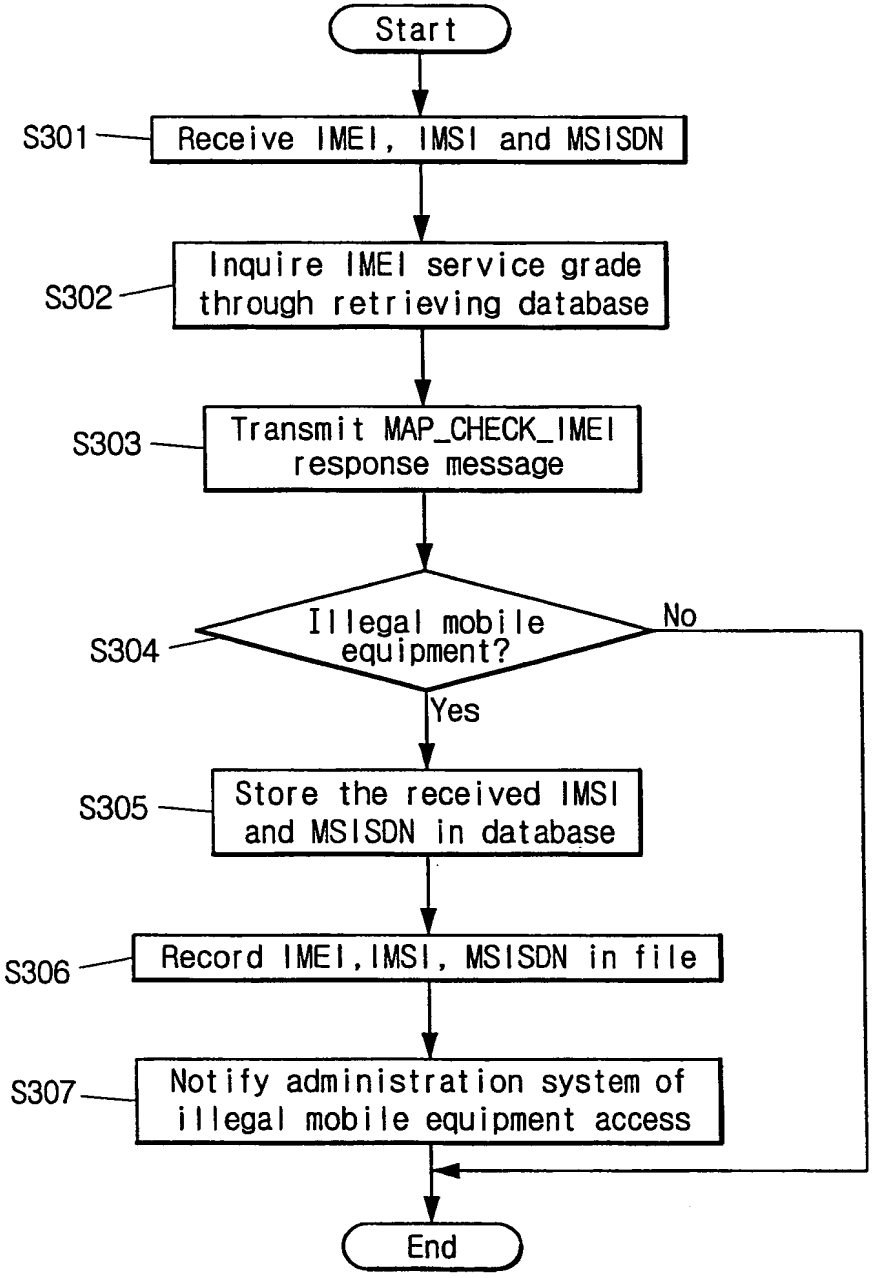
Start
S301
Receive IMEI, IMSI and MSISDN
S302
Inquire IMEI service grade through retrieving database
S303
Transmit MAP_CHECK_IMEI response message
S304
Illegal mobile equipment?
No
Yes
S305
Store the received IMSI and MSISDN in database
S306
Record IMEI, IMSI, MSISDN in file
S307
Notify administration system of illegal mobile equipment access
End

Figure 4

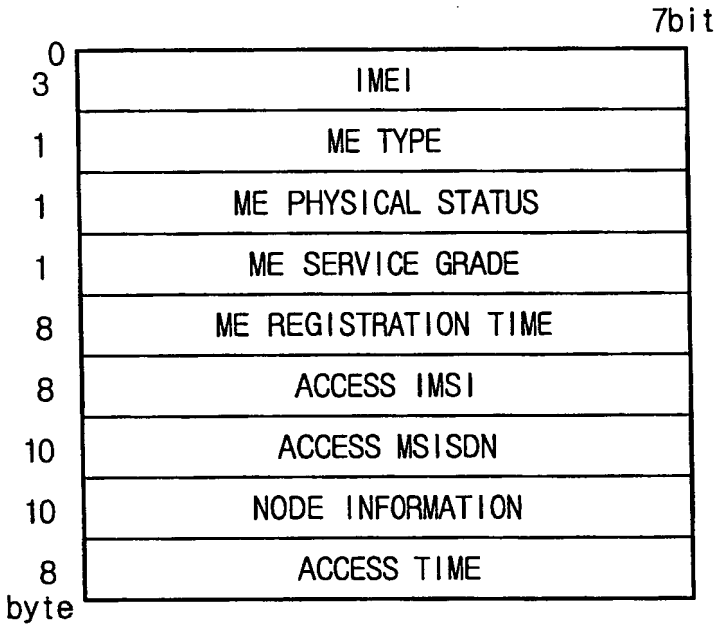
7bit
0
3
IMEI
1
ME TYPE
1
ME PHYSICAL STATUS
1
ME SERVICE GRADE
8
ME REGISTRATION TIME
8
ACCESS IMSI
10
ACCESS MSISDN
10
NODE INFORMATION
8
ACCESS TIME
byte

Figure 5

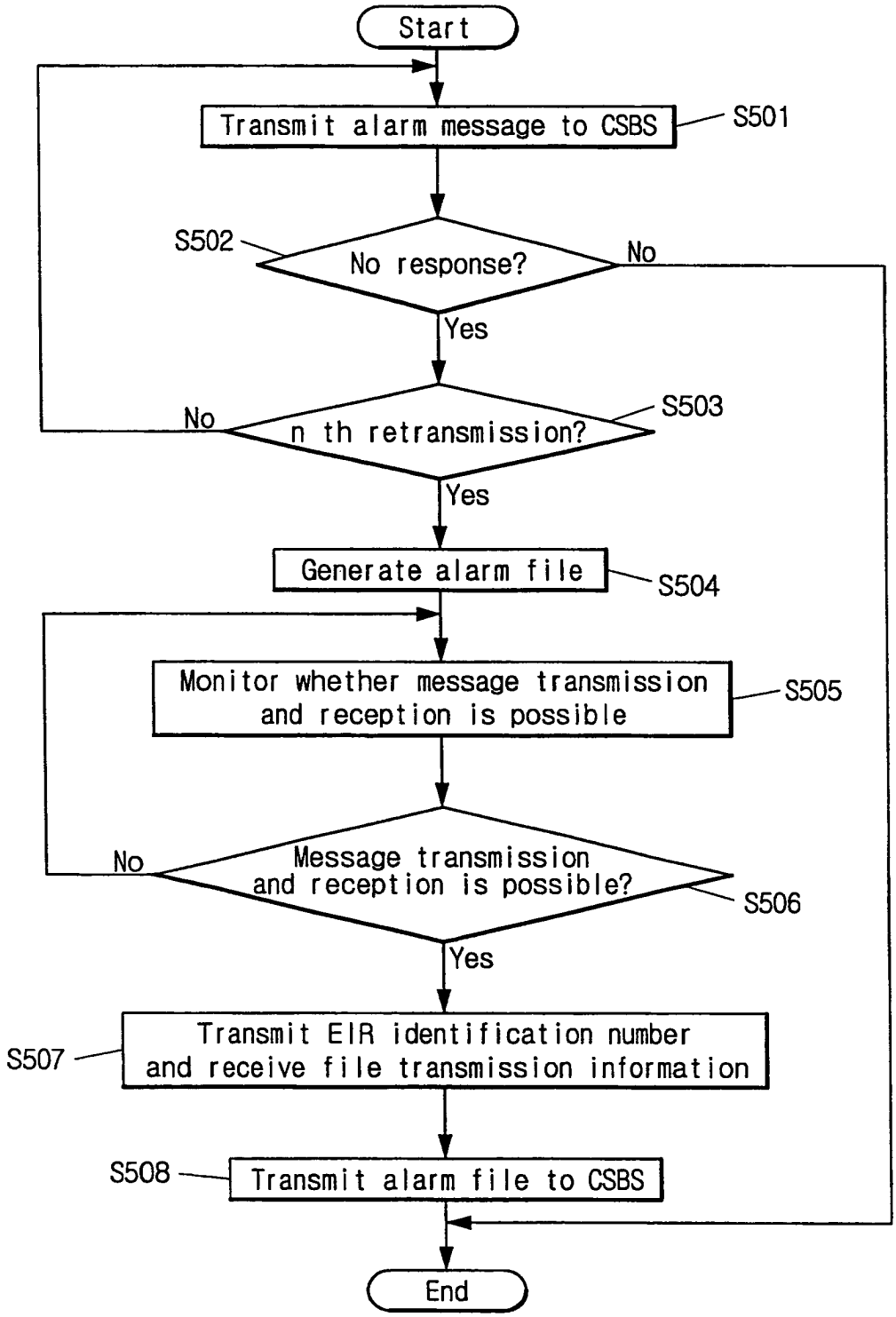
Start
Transmit alarm message to CSBS
S501
S502
No response?
No
Yes
No
n th retransmission?
S503
Yes
Generate alarm file
S504
Monitor whether message transmission and reception is possible
S505
No
Message transmission and reception is possible?
S506
Yes
S507
Transmit EIR identification number and receive file transmission information
S508
Transmit alarm file to CSBS
End

Figure 6

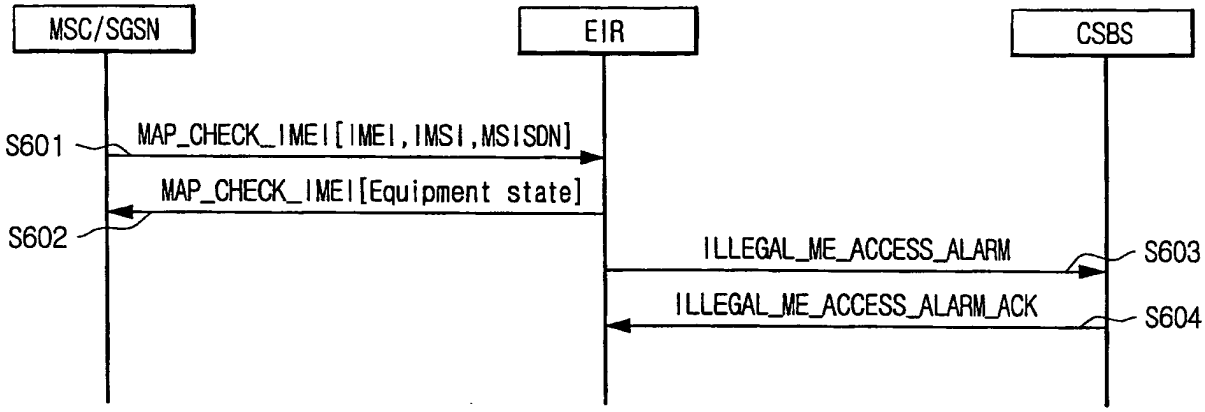
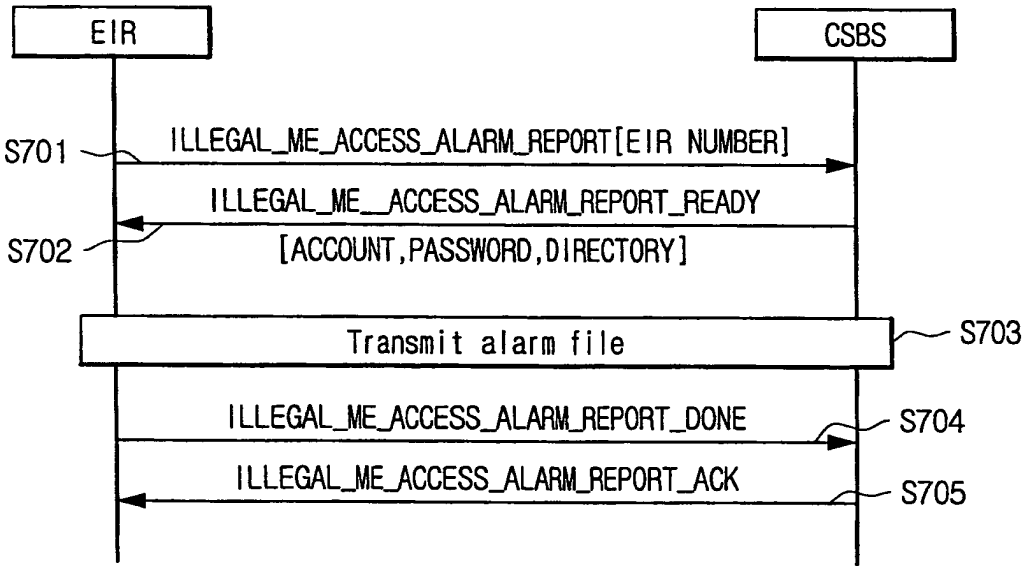
Figure 7